

Amendments to the Claims:

This listing of the claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

1 (Currently Amended): A non-aqueous electrolyte secondary battery comprising: a positive electrode; a negative electrode; a separator interposed between said positive electrode and said negative electrode; a non-aqueous electrolyte; and a porous insulating film adhered to a surface of at least one selected from the group consisting of said positive electrode and said negative electrode,

said porous insulating film comprising an inorganic oxide filler and a film binder,

wherein the ratio R of actual volume to apparent volume of said separator is not less than 0.4 and not greater than 0.7, a porosity P of said porous insulating film is not less than 0.35 and not greater than 0.65, and

wherein said ratio R and a porosity P of said porous insulating film satisfy the relational formula:

$$-0.10 \leq R - P \leq 0.30.$$

2-10 (Canceled)

11 (Previously Presented): The non-aqueous electrolyte secondary battery in accordance with claim 1,

wherein the amount of said film binder contained in said porous insulating film is not less than 1 part by weight and not greater than 4 parts by weight per 100 parts by weight of said inorganic oxide filler.

12 (Currently Amended): A non-aqueous electrolyte secondary battery comprising: a positive electrode; a negative electrode; a separator interposed between said positive electrode and said negative electrode; a non-aqueous electrolyte; and a porous insulating film adhered to a surface of at least one selected from the group consisting of said positive electrode and said negative electrode,

said porous insulating film comprising an inorganic oxide filler and a film binder,
wherein said inorganic oxide filler substantially comprises polycrystalline particles,
wherein said polycrystalline particles each ~~comprise a plurality of primary particles that are diffusion-bonded together which have the shape of dendrites, coral, or grape bunch,~~
wherein the amount of said film binder contained in said porous insulating film is not greater than 4 parts by weight per 100 parts by weight of said inorganic oxide filler, and
wherein 90% cumulative volume pore size D90 in a pore size distribution of said porous insulating film measured by a mercury intrusion porosimeter is not less than 0.15 μm .

13 (Currently Amended): The non-aqueous electrolyte secondary battery in accordance with claim 12,

wherein said primary polycrystalline particles each comprise a plurality of single crystalline particles that are diffusion-bonded together and said single crystalline particles have an average particle size of not greater than 3 μm .

14 (Currently Amended): The non-aqueous electrolyte secondary battery in accordance with claim [[12]] 13,

wherein the average particle size of said polycrystalline particles is not less than twice the average particle size of said primary single crystalline particles, and not greater than 10 μm .

15 (Currently Amended): A non-aqueous electrolyte secondary battery comprising: a positive electrode; a negative electrode; a separator interposed between said positive electrode and said negative electrode; a non-aqueous electrolyte; and a porous insulating film adhered to a surface of at least one selected from the group consisting of said positive electrode and said negative electrode,

said porous insulating film comprising an inorganic oxide filler and a film binder,

wherein a void capable of retaining said non-aqueous electrolyte is formed on an adhering interface where said porous insulating film adheres to said electrode surface, and

the amount of said film binder contained in said porous insulating film is not greater than 4 parts by weight per 100 parts by weight of said inorganic oxide filler;

~~wherein a void size distribution of said adhering interface measured by a mercury intrusion porosimeter has a peak in a region ranging from 1 to 4 μm , and~~
~~the electrode surface to which said porous insulating film adheres has an average surface roughness Ra of 0.1 to 1 μm .~~

16 (Canceled)

17 (Canceled)

18 (Previously Presented): The non-aqueous electrolyte secondary battery in accordance with claim 15,

wherein the amount of said film binder contained in said porous insulating film is not less than 1 part by weight per 100 parts by weight of said inorganic oxide filler.

19 (New): The non-aqueous electrolyte secondary battery in accordance with claim 15,

wherein a void size distribution of said negative electrode and said porous insulating film measured by a mercury intrusion porosimeter has a peak in a region ranging from 1 to 4 μm .

20 (New): The non-aqueous electrolyte secondary battery in accordance with claim 15,
wherein said electrode surface to which said porous insulating film adheres has an
average surface roughness Ra of 0.1 to 1 μm .